

**Investigation Record****NAMES KEY – other answers on the back**

Patient	Based on their <u>symptoms</u> , do you think this patient was exposed to mercury? Why or why not?	Based on occupation, recreation, diet, water supply, do you think this patient was exposed to mercury? If so, explain <u>all possible</u> sources of exposure to mercury for this patient.	Should others in this household be screened for mercury exposure? Why or why not. Keep in mind the possible sources of exposure.
A	Yes. Seizures are a symptom of mercury exposure.	Yes. This child was breastfed. If the mother is exposed, she could have passed mercury to her child through breast feeding and in vitro prior to birth.	The whole family should be screened. They live down wind of the site and could be exposed to dust particles containing mercury
B	No. Symptoms don't match mercury exposure.	No. No identifiable exposure from this information.	No. No identifiable exposure from this information.
C	Yes. Kidney damage is a symptom of mercury exposure.	Yes. This patient works at the flourmill and bakery which uses wheat irrigated by mercury contaminated groundwater. Breathing in the flour and eating the baked goods could expose her.	Her husband and children could have been exposed through the baked goods.
D	Yes. Indicates possible kidney dysfunction.	Yes. Ingestion of mercury through consumption of deer and elk flesh. Also, this patient's drinking water well is contaminated with mercury.	The wife should be screened if she consumes elk and deer flesh. Also, this patient's drinking water well is contaminated with mercury.
E	No. Symptoms are not indicative.	No. The patient's well is clean and his activities occur on a clean lake. He consumes fish that is not contaminated with mercury.	No. Same as patient.
F	Yes. Symptoms match those of mercury exposure.	Yes. Dual exposure from trout and water contaminated with mercury.	The entire family should be screened due to dual exposure from trout and water contaminated with mercury.
G	Yes. Symptoms match those of mercury exposure.	Yes. Possible exposure to mine tailings and mercury contaminated soil.	No. No identifiable exposure from this information.
H	Yes. Symptoms match those of mercury exposure.	Yes. Possible exposure to mine tailings and mercury contaminated soil.	No. No identifiable exposure from this information.

**Describe any other people in this case that should be screened for mercury exposure. Include the possible sources of exposure involved.**  
Write your answers on the back of this sheet.

Those to screen next.

Flourmill and bakery employees – exposure to contaminated wheat and flour

Consumers of baked goods from the flourmill – exposure to contaminated wheat and flour

Residents of Dry Town who are connected to the contaminated water supply

All residents with contaminated domestic water wells

Residents living west of the mine – exposure to contaminated dust particles blown by the wind

Hunters and fishers and their friends/families who may eat the flesh of fish and game which contains mercury (bass in Bird Lake excluded).

Those recreating around the mine and Blue River – exposure to contaminated soils.

Those consuming exports from the wheat field.